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RAW SEQUENCE LISTING

DATE: 08/14/2002

PATENT APPLICATION: US/09/778,026

TIME: 10:04:21

Input Set : A:\402c1.app

Output Set: N:\CRF3\08142002\I778026.raw

SEQUENCE LISTING

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4 (1) GENERAL INFORMATION:
C--> 6 (i) APPLICANT: Blaschuk, Orest W.
7      Gour, Barbara J.
9 (ii) TITLE OF INVENTION: COMPOUNDS AND METHODS FOR REGULATING
10      CELL ADHESION
12 (iii) NUMBER OF SEQUENCES: 29
14 (iv) CORRESPONDENCE ADDRESS:
15      (A) ADDRESSEE: SEED and BERRY LLP
16      (B) STREET: 6300 Columbia Center, 701 Fifth Avenue
17      (C) CITY: Seattle
18      (D) STATE: Washington
19      (E) COUNTRY: USA
20      (F) ZIP: 98104
22 (v) COMPUTER READABLE FORM:
23      (A) MEDIUM TYPE: Floppy disk
24      (B) COMPUTER: IBM PC compatible
25      (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26      (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28 (vi) CURRENT APPLICATION DATA:
C--> 29      (A) APPLICATION NUMBER: US/09/778,026
C--> 30      (B) FILING DATE: 05-Feb-2001
31      (C) CLASSIFICATION:
33 (viii) ATTORNEY/AGENT INFORMATION:
34      (A) NAME: Maki, David J.
35      (B) REGISTRATION NUMBER: 32,391
36      (C) REFERENCE/DOCKET NUMBER: 100086.402
38 (ix) TELECOMMUNICATION INFORMATION:
39      (A) TELEPHONE: (206) 622-4900
40      (B) TELEFAX: (206) 682-6031
43 (2) INFORMATION FOR SEQ ID NO: 1:
45 (i) SEQUENCE CHARACTERISTICS:
46      (A) LENGTH: 5 amino acids
47      (B) TYPE: amino acid
48      (C) STRANDEDNESS: single
49      (D) TOPOLOGY: linear
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 57 Asp Xaa Asn Asp Asn
58      1      5
60 (2) INFORMATION FOR SEQ ID NO: 2:
62 (i) SEQUENCE CHARACTERISTICS:
63      (A) LENGTH: 4 amino acids
64      (B) TYPE: amino acid

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65         (C) STRANDEDNESS: single
66         (D) TOPOLOGY: linear
72     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
74         Leu Asp Arg Glu
75         1
77 (2) INFORMATION FOR SEQ ID NO: 3:
79     (i) SEQUENCE CHARACTERISTICS:
80         (A) LENGTH: 108 amino acids
81         (B) TYPE: amino acid
82         (C) STRANDEDNESS:
83         (D) TOPOLOGY: linear
89     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
91     Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
92     1             5             10             15
94     Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
95     20             25             30
97     Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
98     35             40             45
100    Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
101    50             55             60
103    Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
104    65             70             75             80
106    Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
107    85             90             95
109    Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
110    100            105
112 (2) INFORMATION FOR SEQ ID NO: 4:
114     (i) SEQUENCE CHARACTERISTICS:
115         (A) LENGTH: 108 amino acids
116         (B) TYPE: amino acid
117         (C) STRANDEDNESS:
118         (D) TOPOLOGY: linear
124     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
126     Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
127     1             5             10             15
129     Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
130     20             25             30
132     Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
133     35             40             45
135     Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
136     50             55             60
138     Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
139     65             70             75             80
141     Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
142     85             90             95
144     Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
145     100            105
147 (2) INFORMATION FOR SEQ ID NO: 5:
149     (i) SEQUENCE CHARACTERISTICS:

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150      (A) LENGTH: 108 amino acids
151      (B) TYPE: amino acid
152      (C) STRANDEDNESS:
153      (D) TOPOLOGY: linear
159  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
161  Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
162      1          5          10          15
164  Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
165      20          25          30
167  Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
168      35          40          45
170  Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
171      50          55          60
173  Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
174      65          70          75          80
176  Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
177      85          90          95
179  Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
180      100         105
182 (2) INFORMATION FOR SEQ ID NO: 6:
184  (i) SEQUENCE CHARACTERISTICS:
185      (A) LENGTH: 108 amino acids
186      (B) TYPE: amino acid
187      (C) STRANDEDNESS:
188      (D) TOPOLOGY: linear
194  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
196  Asp Trp Val Val Ala Pro Ile Ser Val Pro Glu Asn Gly Lys Gly Pro
197      1          5          10          15
199  Phe Pro Gln Arg Leu Asn Gln Leu Lys Ser Asn Lys Asp Arg Asp Thr
200      20          25          30
202  Lys Ile Phe Tyr Ser Ile Thr Gly Pro Gly Ala Asp Ser Pro Pro Glu
203      35          40          45
205  Gly Val Phe Ala Val Glu Lys Glu Thr Gly Trp Leu Leu Leu Asn Lys
206      50          55          60
208  Pro Leu Asp Arg Glu Glu Ile Ala Lys Tyr Glu Leu Phe Gly His Ala
209      65          70          75          80
211  Val Ser Glu Asn Gly Ala Ser Val Glu Asp Pro Met Asn Ile Ser Ile
212      85          90          95
214  Ile Val Thr Asp Gln Asn Asp His Lys Pro Lys Phe
215      100         105
217 (2) INFORMATION FOR SEQ ID NO: 7:
219  (i) SEQUENCE CHARACTERISTICS:
220      (A) LENGTH: 108 amino acids
221      (B) TYPE: amino acid
222      (C) STRANDEDNESS:
223      (D) TOPOLOGY: linear
229  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
231  Glu Trp Val Met Pro Pro Ile Phe Val Pro Glu Asn Gly Lys Gly Pro
232      1          5          10          15

```

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```

234   Phe Pro Gln Arg Leu Asn Gln Leu Lys Ser Asn Lys Asp Arg Gly Thr
235           20                25                30
237   Lys Ile Phe Tyr Ser Ile Thr Gly Pro Gly Ala Asp Ser Pro Pro Glu
238           35                40                45
240   Gly Val Phe Thr Ile Glu Lys Glu Ser Gly Trp Leu Leu Leu His Met
241           50                55                60
243   Pro Leu Asp Arg Glu Lys Ile Val Lys Tyr Glu Leu Tyr Gly His Ala
244           65                70                75                80
246   Val Ser Glu Asn Gly Ala Ser Val Glu Glu Pro Met Asn Ile Ser Ile
247           85                90                95
249   Ile Val Thr Asp Gln Asn Asp Asn Lys Pro Lys Phe
250           100               105

```

252 (2) INFORMATION FOR SEQ ID NO: 8:

254 (i) SEQUENCE CHARACTERISTICS:

255 (A) LENGTH: 108 amino acids

256 (B) TYPE: amino acid

257 (C) STRANDEDNESS:

258 (D) TOPOLOGY: linear

264 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

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266   Asp Trp Val Ile Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Pro
267   1           5           10           15
269   Phe Pro Lys Asn Leu Val Gln Ile Lys Ser Asn Lys Asp Lys Glu Gly
270           20           25           30
272   Lys Val Phe Tyr Ser Ile Thr Gly Gln Gly Ala Asp Thr Pro Pro Val
273           35           40           45
275   Gly Val Phe Ile Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Glu
276           50           55           60
278   Pro Leu Asp Arg Glu Arg Ile Ala Thr Tyr Thr Leu Phe Ser His Ala
279           65           70           75           80
281   Val Ser Ser Asn Gly Asn Ala Val Glu Asp Pro Met Glu Ile Leu Ile
282           85           90           95
284   Thr Val Thr Asp Gln Asn Asp Asn Lys Pro Glu Phe
285           100          105

```

287 (2) INFORMATION FOR SEQ ID NO: 9:

289 (i) SEQUENCE CHARACTERISTICS:

290 (A) LENGTH: 108 amino acids

291 (B) TYPE: amino acid

292 (C) STRANDEDNESS:

293 (D) TOPOLOGY: linear

299 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

```

301   Asp Trp Val Ile Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Glu
302   1           5           10           15
304   Phe Pro Lys Asn Leu Val Gln Ile Lys Ser Asn Arg Asp Lys Glu Thr
305           20           25           30
307   Lys Val Phe Tyr Ser Ile Thr Gly Gln Gly Ala Asp Lys Pro Pro Val
308           35           40           45
310   Gly Val Phe Ile Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Gln
311           50           55           60
313   Pro Leu Asp Arg Glu Ala Ile Ala Lys Tyr Ile Leu Tyr Ser His Ala

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RAW SEQUENCE LISTING DATE: 08/14/2002
 PATENT APPLICATION: US/09/778,026 TIME: 10:04:21

Input Set : A:\402c1.app
 Output Set: N:\CRF3\08142002\I778026.raw

```

314      65              70              75              80
316      Val Ser Ser Asn Gly Glu Ala Val Glu Asp Pro Met Glu Ile Val Ile
317              85              90              95
319      Thr Val Thr Asp Gln Asn Asp Asn Arg Pro Glu Phe
320              100              105
323 (2) INFORMATION FOR SEQ ID NO: 10:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 6 amino acids
327          (B) TYPE: amino acid
328          (C) STRANDEDNESS:
329          (D) TOPOLOGY: linear
335      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
337      His Ala Val His Ala Val
338      1              5
340 (2) INFORMATION FOR SEQ ID NO: 11:
342      (i) SEQUENCE CHARACTERISTICS:
343          (A) LENGTH: 13 amino acids
344          (B) TYPE: amino acid
345          (C) STRANDEDNESS:
346          (D) TOPOLOGY: linear
352      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
354      Ser His Ala Val Ser His Ala Val Ser His Ala Val Ser
355      1              5              10
357 (2) INFORMATION FOR SEQ ID NO: 12:
359      (i) SEQUENCE CHARACTERISTICS:
360          (A) LENGTH: 5 amino acids
361          (B) TYPE: amino acid
362          (C) STRANDEDNESS:
363          (D) TOPOLOGY: linear
369      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
371      Tyr Ile Gly Ser Arg
372      1              5
374 (2) INFORMATION FOR SEQ ID NO: 13:
376      (i) SEQUENCE CHARACTERISTICS:
377          (A) LENGTH: 10 amino acids
378          (B) TYPE: amino acid
379          (C) STRANDEDNESS:
380          (D) TOPOLOGY: linear
386      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
388      Lys Tyr Ser Phe Asn Tyr Asp Gly Ser Glu
389      1              5              10
391 (2) INFORMATION FOR SEQ ID NO: 14:
393      (i) SEQUENCE CHARACTERISTICS:
394          (A) LENGTH: 17 amino acids
395          (B) TYPE: amino acid
396          (C) STRANDEDNESS:
397          (D) TOPOLOGY: linear
403      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
405      Ile Trp Lys His Lys Gly Arg Asp Val Ile Leu Lys Lys Asp Val Arg

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/14/2002
PATENT APPLICATION: US/09/778,026 TIME: 10:04:22

Input Set : A:\402c1.app
Output Set: N:\CRF3\08142002\I778026.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.2

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/778,026

DATE: 08/14/2002

TIME: 10:04:22

Input Set : A:\402cl.app

Output Set: N:\CRF3\08142002\I778026.raw

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0